

Work Order ID 79260

January-24-12 11:01:56 AM

79260

Page 1

Item ID: D206-642-151

Accept:

N9000040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Replacement Skidtube

Start Date: 24/01/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 15/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: M.L.J.

Date: 12/01/25

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr | Revision Nbr | | | | | | | | |
| D3804 | A | | | | | | | | |
| IIN-D206-642 | O | | | | | | | | |

100

0.00

100

DOCUMENT CONTROL

DC

0.00

Memo

Document Control

Photocopy bluefile & type labels per PPP D206-642-151

CHG001

N/A

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Work Order ID 79260

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Item ID: D206-642-151 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Replacement Skidtube
 Start Date: 24/01/2012 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 15/03/2012 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 110 | Skidtubes | 0.00 | | | | | | | |
| *110* | | | | | | | | | |
| Skidtubes | Memo | 0.00 | | | | | | | |
| Skidtubes | 1-Deburr Fwd edge of tube | | | | | | | | |
| | 2- Remove ridge on inside of Fwd edge of tube as per Dwg D3804 | | | | | | | | |
| | 3-Weld Fwd Cap as per Dwg D3804. Use aluminum rod. Grind D2647 to fit as required. Pick: Qty Part Number Description Batch A/R Aluminum Rod <u>M120164</u> <u>300</u> <u>12/02/23</u> | | | | | | | | |
| | 4-Grind weld flush to cap on top surface only | | | | | | | | |
| | 5-Cut Aft end as per dwg D3804 from front of tube and Deburr | | | | | | | | |
| | 6-Remove inner indexing ridge on Aft end of skidtube as per Dwg D3804 | | | | | | | | |
| | 7-Open holes for Aft end cap as per Dwg D3804 with #30 Drill Bit using DT8025. | | | | | | | | |
| | 8-Drill pilot holes using Dt8166 & DT8169D & DT9771. | | | | | | | | |
| | 9-Locate DT8732 from inner Aft saddle hole & 3rd crossbolt hole. Insert D3286-1 doubler using DT8732 & D206-642-241-T1, then locating doubler off of 3/16" holes, cleco DT8732 & doubler leaving DT8732 for added support. | | | | | | | | |
| | 10- Drill D3286-1 doubler rivet holes in tube using # 30 drill, spot drilling doubler at the same time. | | | | | | | | |

> BB 12/02/18

SAD 12-02-27

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Item ID: D206-642-151 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Replacement Skidtube
 Start Date: 24/01/2012 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 15/03/2012 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

11-Working from the center out, drill # 30 holes into D3286-1 doubler. Cleco each hole as it is being drilled. Verify angle of holes to accommodate rivet heads.

12-Remove 3/16" cleco's only and open GHW holes to Ø0.500" as per Dwg D3804

13-Remove D3286-1 doublers, identify orientation, deburr, then attach them to the workorder

14-Remove indexing edge using DT8741 as per Dwg D3804

15-C'sink GHW rivet holes as per Dwg D3804

16- Open Aft cap hole #6.
 ****no wearplate holes for this skidtube****

17-Deburr tube and blow out chips from inside the tube

SAD 12-02-27

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

5/12/12/27

Quality Control

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Revision ID:

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Stop ***NS2***

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1

Cust Item ID:

Required Date: 15/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 140 | Chemical Conversion Coat per QSI005 4.1 | 0.00 | | | | | | | |
| *140* | | | | | | | | | |
| HandFinish | Memo | 0.00 | | | | | | | |
| Hand Finishing | | | | | | | | | |
| 150 | QC3- Inspect Part Finish | 0.00 | | | | | | | |
| *150* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |
| 160 | Skidtubes | 0.00 | | | | | | | |
| *160* | | | | | | | | | |
| Skidtubes | Memo | 0.00 | | | | | | | |
| Skidtubes | 1-Open holes to finished size as per Dwg D3804, (without cutting fluid) | | | | | | | | |
| | 2-C'sink crossbolt spacer holes as per Dwg D3804(without cutting fluid) | | | | | | | | |
| | 3-Deburr and blow out all chips from inside the tube | | | | | | | | |

12-02-27

① SMO 12-02-27

1 0 BR262/27

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

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Item ID: D206-642-151 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Replacement Skidtube

Start Date: 24/01/2012 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 15/03/2012 Req'd Qty: 1.00 ***1*** Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

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|-----------------|------------------------------------|------|--|--|--|--|--|--|--|
| 170 | QC6- Inspect dimensions to drawing | 0.00 | | | | | | | |
| *170* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

| | | | | | | | | | |
|--------------|-----------|------|--|--|--|--|--|--|--|
| 180 | Skidtubes | 0.00 | | | | | | | |
| *180* | | | | | | | | | |
| Skidtubes | Memo | 0.00 | | | | | | | |
| Skidtubes | | | | | | | | | |

1-Locate, install and rivet doublers as per Dwg D3804. Micro-shave rivets as required

2-Bond D2654-1 web in place as per QSI 015. Ensure holes line up. Allow 12

Hrs. cure time before cutting

Start Date: 12-02-27 Time: 6:30

Finish Date: 12-02-28 Time: 9:30

Pick:

Qty Part Number Description Batch

A/RSikaflex-291 M119999

Sikaflex expire date: 2012/08/13

SAD 12-02-27

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

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Item ID: D206-642-151

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Replacement Skidtube

Stop ***NS2***

Start Date: 24/01/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 15/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 190 | QC5- Inspect part completeness to step on W/O | 0.00 | | | | | | | |
| *190* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

1 0 BE 12/02/20

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
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| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Work Order ID 79260

79260

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Item ID: D206-642-151 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Replacement Skidtube
 Start Date: 24/01/2012 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 15/03/2012 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 200 | | 0.00 | | | | | | | |

2000

Skidtubes

Skidtubes

Skidtubes

Memo

0.00

1-remove alodine from around hole and prepare for welding

2-Prep per QSI 005 and Insert D2649 crossbolt spacers. Weld as per QSI 004 and Dwg D3804. Remember to back drill each hole to 0.25" before welding the other side. Use aluminum rod.

Pick:

QtyPart NumberDescriptionBatch

A/RAluminum Rod m120164

3-Grind welds flush as per Dwg D3804.

4-Using DT8733, insert (2) D3286-3 spacers as per QSI 004 and Dwg D3804. Remember to back drill each hole to Ø0.402" before welding other side. Use SS rod as required.

A/RSS Rod NONE

5-Counterbore 5/16" x 0.750" deep except 7th hole from Aft end as per Dwg D3804. Deburr

3 BE 12/02/28

BB 12/03/02

BE 12/02/28

DP 12-3-7

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

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Quality Control

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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January-24-12 11:01:56 AM

Item ID: D206-642-151 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Replacement Skidtube

Start Date: 24/01/2012 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 15/03/2012 Req'd Qty: 1.00 ***1*** Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
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|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

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|-----|---|------|--|--|--|--|--|--|--|
| 230 | QC5- Inspect part completeness to step on W/O | 0.00 | | | | | | | |
|-----|---|------|--|--|--|--|--|--|--|

230

QC

Memo

0.00

812/03/07

Quality Control

| | | | | | | | | | |
|-----|------------------------------|------|--|--|--|--|--|--|--|
| 240 | Pressure Wash per QSI005 4.3 | 0.00 | | | | | | | |
|-----|------------------------------|------|--|--|--|--|--|--|--|

240

HandFinish

Memo

0.00

Hand Finishing

IXP M-12/03/08

| | | | | | | | | | |
|-----|--|------|--|--|--|--|--|--|--|
| 250 | White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum | 0.00 | | | | | | | |
|-----|--|------|--|--|--|--|--|--|--|

250

Powdercoat

Memo

0.00

Powder Coating

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

8-00 0.00
 3200 F
 8-30

IXP M-12/03/10

M120222

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
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| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 260 | QC3- Inspect Part Finish | 0.00 | | | | | | | |
| *260* | | | | | | | | | |
| QC | Memo | 0.00 | | | | 1 | | BL 123-13. | |
| Quality Control | | | | | | | | | |
| 270 | | 0.00 | | | | | | | |
| *270* | HandFinishing | | | | | | | | |
| HandFinish | Memo | 0.00 | | | | 1 | | BL 123-13. | |
| Hand Finishing | 1-Install D2651-3 O-Rings on D2651-1 plugs with Petroleum Jelly and install plugs as per Dwg D3804. Clean excess adhesive. | | | | | | | | |

RH

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
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|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 280 | HandFinishing | 0.00 | | | | | | | |
| *280* | | | | | | | | | |
| HandFinish | Memo | 0.00 | | | | | | | |
| Hand Finishing | 1-Install D2646 Aft Cap and seal with Sikaflex. Clean excess adhesive A/RSikaflex-291 <u>119411</u> Sikaflex expire date: <u>12-8</u> | | | | | | | | |
| | 2- Install wearplate as per dwg | | | | | | | | |
| | 2-Wing Walk as per Dwg D3804 and QS1 005 4.4 Batch: <u>120125</u> | | | | | | | | |
| 290 | QC3- Inspect Part Finish | 0.00 | | | | | | | |
| *290* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

1 12313

8/2/03/13

RH.

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries

Work Order ID 79260

79260

Page 12

January-24-12 11:01:56 AM

Item ID: D206-642-151 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Replacement Skidtube
 Start Date: 24/01/2012 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 15/03/2012 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|---|--|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 300 *300* QC Quality Control | QC5- Inspect part completeness to step on W/O Memo | 0.00 0.00 | | | | | | | |
| 310 *310* Packaging Packaging | Packaging Memo Identify and pack for shipping as per PPP D206-642-151 Location: _____ PPP Rev: _____ | 0.00 0.00 | | | | | | | |
| 320 *320* QC Quality Control | QC21- Final Inspection - Work Order Release Memo | 0.00 0.00 | | | | | | | |

✓ 12-03-14

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries

January-24-12 11:02:00 AM

Page 1

79260

D206-642-151

Required Date: 15/03/2012

Required Qty: 1.00

IPP

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|--|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|-----------------|---------------|----------------|--------|
| D2620 *D2620* Skidtube, 206 Skidtube | | Manufactured | No | | | 110 | Each | 8.0000 | 1 | 1 | | 12/02/18 | |
| | | | | <u>Location</u> | | | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | |
| | | | | LG | | | | 8 | | | | | |
| | | | | 71617 | | | | 2 | | | | | |
| | | | | 77997 | | | | 6 | | | | | |
| D2647 *D2647* Cap | | Manufactured | No | | | 110 | Each | 133.0000 | 1 | 1 | | 12/02/23 | |
| | | | | <u>Location</u> | | | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | |
| | | | | LG002 | | | | 133 | | | | | |
| | | | | 73826 | | | | 24 | | | | | |
| | | | | 75482 | | | | 109 | | | | | |
| CR3212-4-04 *CR3212-4-04* Cherry Rivet | | Purchased | No | | | 180 | Each | 10,198.00 | 52 | 52 | | 12-02-27 | |
| | | | | <u>Location</u> | | | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | |
| | | | | ST331 | | | | 364 | | | | | |
| | | | | 116471 | | | | 78 | | | | | |
| | | | | 117816 | | | | 3 | | | | | |
| | | | | 118686 | | | | 1 | | | | | |
| | | | | 118840 | | | | 16 | | | | | |
| | | | | 119017 | | | | 256 | | | | | |
| | | | | 119075 | | | | 10 | | | | | |
| | | | | st510 | | | | 9834 | | | | | |
| | | | | 119075 | | | | 9834 | | | | | |

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

Picklist Print

January-24-12 11:02:00 AM

Page 2

Work Order ID: 79260

79260

Parent Item: D206-642-151

D206-642-151

Parent Item Name: Replacement Skidtube

Start Date: 24/01/2012

Required Date: 15/03/2012

Start Qty: 1.00

Required Qty: 1.00

D2654-1 Manufactured No

180 Each 25.0000 1 1

D2654-1

Web

Location

Loc Qty

Loc Code

LG

25

77278

2

77279

10

77280

3

77281

10

D3286-1 Manufactured No

180 Each 231.0000 2 2

D3286-1

Doubler

Location

Loc Qty

Loc Code

LG002

233

74872

6

78014

109

ST046

-2

76772

116

BE 12/02/27
B 79540 x1

SAD 12-02-27

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Picklist Print

Page 3

January-24-12 11:02:00 AM

Work Order ID: 79260

79260

Parent Item: D206-642-151

D206-642-151

Parent Item Name: Replacement Skidtube

Start Date: 24/01/2012

Required Date: 15/03/2012

Start Qty: 1.00

Required Qty: 1.00

D2649

Manufactured No

200

Each

559.0000

19

19

D2649

Cross Bolt Spacer

Location

Loc Qty

Loc Code

LG

40

77574

40

LG001

519

65317

1

68224

2

68507

11

71355

2

72704

2

72841

11

73390

8

73857

21

73858

53

73859

4

73860

4

78020

400

D3286-3

Manufactured No

200

Each

128.0000

2

2

D3286-3

Spacer

Location

Loc Qty

Loc Code

LG

100

78015

100

LG001

28

74117

1

76773

27

BE 12/02/28
B78019 x10
B79504 x9

BE 12/02/28

2

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Picklist Print

January-24-12 11:02:00 AM

Work Order ID: 79260

79260

Parent Item: D206-642-151

D206-642-151

Parent Item Name: Replacement Skidtube

Start Date: 24/01/2012

Required Date: 15/03/2012

Start Qty: 1.00

Required Qty: 1.00

D2680-041 Manufactured No

210 Each 110.0000 1 1

D2680-041

Nut Plate

**

1 12/03/12

Location

Loc Qty

Loc Code

ST013

14

75479

14

ST019

96

76790

96

CR3212-4-03 Purchased No

210 Each 1,650.000 2 2

CR3212-4-03

Cherry Rivet

**

2 12/03/12

Location

Loc Qty

Loc Code

FP002

660

114859

660

ST331

990

110139

2

119017

988

AN960JD416 NAS1149D0463J Purchased No

210 Each 0.0000 1 1

AN960JD416

Washer

**

114859 12/03/12

CCR264SS3-3 Purchased No

210 Each 885.0000 2 2

CCR264SS3-3

Cherry Rivet

**

2 12/03/12

Location

Loc Qty

Loc Code

ST331

885

113973

2

117849

135

119017

748

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Picklist Print

January-24-12 11:02:00 AM

Page 5

Work Order ID: 79260

79260

Parent Item: D206-642-151

D206-642-151

Parent Item Name: Replacement Skidtube

Start Date: 24/01/2012

Required Date: 15/03/2012

Start Qty: 1.00

Required Qty: 1.00

MS27039-4-06

Purchased

No

210

Each

277.0000

1

1

MS27039-4-06

Screw

**

BR 12-3-13

Location

Loc Qty

Loc Code

ST292

277

119075 ✓

277

1

D2651-1

Manufactured

No

270

Each

527.0000

6

6

D2651-1

Plug

**

BR 12-3-13

Location

Loc Qty

Loc Code

FP001

413

57869

1

66445

10

69018

2

70827

2

70839

8

70942

14

71037

53

73827

23

FP-A

114

77559

114

78124

300

6.

D2651-3

Manufactured

No

270

Each

2,547.000

6

6

D2651-3

O-Ring

**

BR 12-3-13

Location

Loc Qty

Loc Code

FP001

547

61962

12

73828

535

FP-A

2000

78126 ✓

2000

6

January-24-12 11:02:00 AM

Shop Packet Print

Page 5

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Picklist Print

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Page 6

Work Order ID: 79260

79260

Parent Item: D206-642-151

D206-642-151

Parent Item Name: Replacement Skidtube

Start Date: 24/01/2012

Required Date: 15/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3873-1

Manufactured No

280

Each

509.0000

14

14

D3873-1

Bushing

**

BL 12-3-13.

Location

Loc Qty

Loc Code

ST067

74561.

509

64760

1

68247

4

73829

19

73830

2

78017

483

14.

D2646

Manufactured No

280

Each

96.0000

1

1

D2646

Aft Cap

**

BL 12-3-13.

Location

Loc Qty

Loc Code

FP002

79500

96

62678

5

68280

5

70945

1

71038

4

71070

2

73294

1

73825

78

1

D3805-041

X Manufactured No

280

Each

0.0000

1

1

D3805-041

Wearplate Assembly Fwd, Low Gear

**

79004.

1

BL 12-3-13.

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries

Picklist Print

January-24-12 11:02:00 AM

Page 7

Work Order ID: 79260

79260

Parent Item: D206-642-151

D206-642-151

Parent Item Name: Replacement Skidtube

Start Date: 24/01/2012

Required Date: 15/03/2012

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-08

Purchased

No

280

Each

1,907.000

2

2

MS27039-1-08

Screw

**

BL 12-3-13

Location

Loc Qty

Loc Code

ST291

1907

117423

77

118910

2

119075 ✓

328

119109

500

120308

1000

2

MS21042L3

Purchased

No

280

Each

5,641.000

7

7

MS21042L3

Nut

**

BL 12-3-13

Location

Loc Qty

Loc Code

ST300

5641

117441

16

117885

32

118451

5

118927

3

119017 ✓

5120

119075

465

7

D3805-045

Manufactured

No

280

Each

7.0000

1

1

D3805-045

Wearplate Assembly Aft, Low Gear

**

1

BL 12-3-13

Location

Loc Qty

Loc Code

FP001

7

73817

1

74896

1

76786

5

AN960JD10L

NAS1149D0332J ✓ Purchased

No

280

Each

0.0000

2

2

AN960JD10L

Washer

**

2

BL 12-3-13

120644

January-24-12 11:02:00 AM

Shop Packet Print

Page 7

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries

Picklist Print

January-24-12 11:02:00 AM

Page 8

Work Order ID: 79260

79260

Parent Item: D206-642-151

D206-642-151

Parent Item Name: Replacement Skidtube

Start Date: 24/01/2012

Required Date: 15/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3-37A Purchased No

280 Each 1,231.000 7 7

AN3-37A

**

BR 12-3-13

Bolt

Location

Loc Qty

Loc Code

ST353

1231

117619 ✓

4

119086 ✓

1227

7.

NAS1149D0363J

Purchased No

280 Each 3,670.000 7 7

NAS1149D0363.J

**

BR 12-3-13

Washer

Location

Loc Qty

Loc Code

ST298

3670

117601

61

118077

1

118612

18

119537

1041

120142 ✓

1549

7.

120308

1000

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

| ITEM | Qty -041 | Qty -043 | Part Number | Description |
|------|-------------|-------------|--------------|---------------------------------|
| 1 | X | | D3804-041 | SKIDTUBE ASSEMBLY, 206 A/B LOW |
| 2 | | X | D3804-043 | SKIDTUBE ASSEMBLY, 206 A/B HIGH |
| 5 | 1 | 1 | D2600-1-160 | EXTRUSION |
| 6 | 1 | 1 | D2646 | AFT CAP |
| 7 | 1 | 1 | D2647 | CAP |
| 8 | 19 | 20 | D2649 | CROSS BOLT SPACER |
| 9 | 6 | 8 | D2651-1 | PLUG |
| 10 | 6 | 8 | D2651-3 | O-RING |
| 11 | | 1 | D2654-3 | WEB |
| 12 | 1 | | D2654-1 | WEB |
| 13 | 1 | 1 | D2680-041 | NUT PLATE |
| 14 | 2 | 2 | D3286-1 | DOUBLER |
| 15 | 2 | 2 | D3286-3 | STUD |
| 21 | 2 | 2 | AN960JD10L | WASHER |
| 22 | 1 | 1 | AN960JD416 | WASHER |
| 23 | 2 | 2 | CCR264SS3-3 | RIVET |
| 24 | 2 | 2 | CR3212-4-03 | RIVET |
| 25 | 52 | 52 | CR3212-4-04 | RIVET |
| 26 | 2 | 2 | MS27039-1-08 | SCREW |
| 27 | 1 | 1 | MS27039-4-06 | SCREW |

NOTES

- 1) MATERIAL: N/A
- 2) FINISH: -CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
-POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) BLACK ANTI-SKID PAINT AS INDICATED TO 0.5 ABOVE LOCATION RIDGE PER DART QSI 005 4.4
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 7) IDENTIFICATION: NONE
- 8) WEIGHT: 12.5 lb
- 9) WELD PER DART QSI 004
- 10) BENDING: DAMAGE TOLERANCE ON FWD BEND:
THERE SHOULD BE NO VISIBLE WRINKLES IN THE BEND FROM THE GROUND TO A HEIGHT OF 5 INCHES ABOVE THE GROUND. IT IS ACCEPTABLE TO POLISH OUT GOUGES UP TO 0.020 DEEP IN THE BENT PORTION OF THE TUBE. A MAXIMUM REDUCTION IN DIAMETER OF 0.150" IS ACCEPTABLE IN THE BENT PORTION OF THE TUBE.
- 11) BOND WEB INTO OUTER TUBE WITH SIKAFLEX-241/-291 ADHESIVE PER DART QSI 015
- 12) INSERT D2651-1 PLUG C/W D2651-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE)

SEARCHED
INDEXED
SERIALIZED
FILED
UNCONTROLLED
SUBJECT TO
WITHHOLDING
WORK ORDER
NO. 79260 M.C.J.
12/01/25

RELEASED
UP 09.03.03
PC ECN 09-538

| | | | |
|------------|-------------|----|----------|
| A | NEW ISSUE | MB | 08.07.07 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | 97 | | |
| DRAWN | 1 | | |
| CHECKED | 97 | | |
| MFG. APPR. | BE | | |
| APPROVED | 149 | | |
| DE APPR. | 14 | | |
| DATE | 08.07.07 | | |

DART AEROSPACE USA, INC
PORT HADLOCK, WA

DRAWING NO. D3804
TITLE SKIDTUBE ASSEMBLY, 206A/B

REV. A
SHEET 1 OF 5
SCALE NTS

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| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

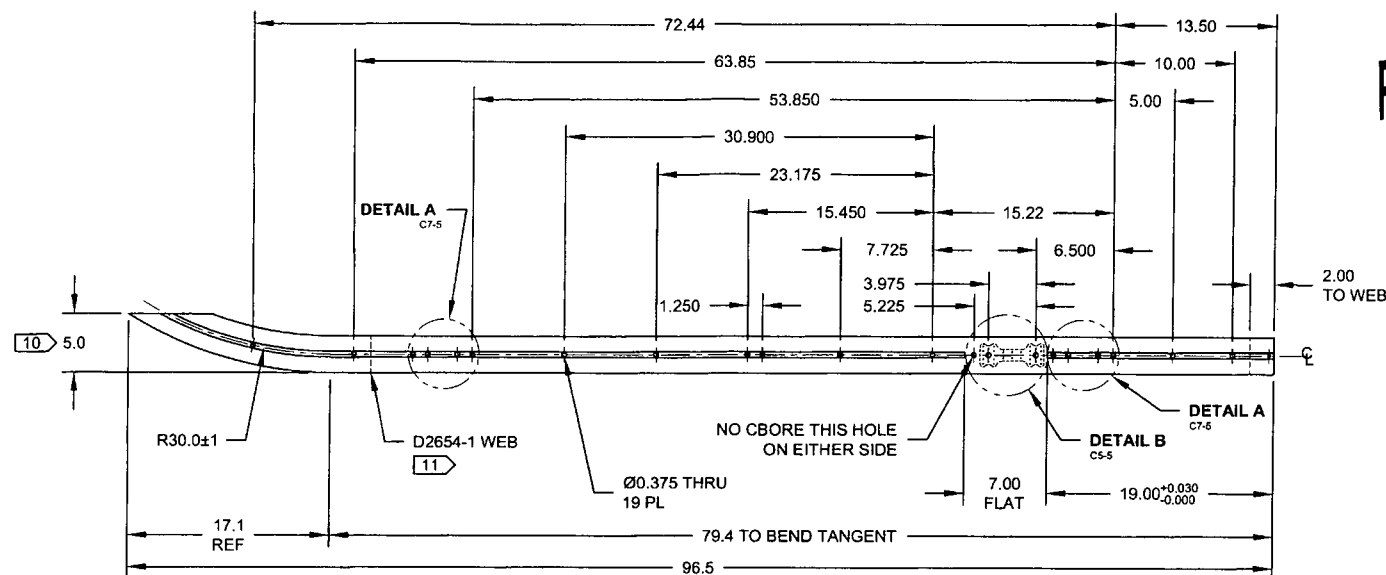
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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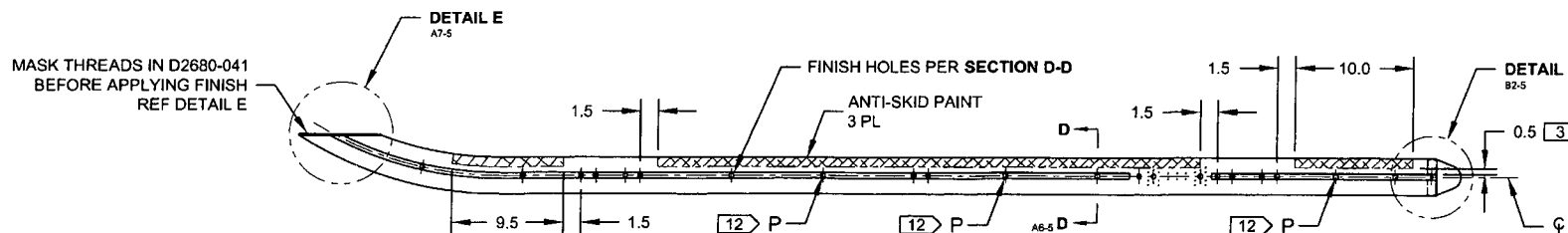
NOTE: Date & initial all entries

79200

RELEASED
09.03.03



D3804-041 BENDING/DRILLING DETAIL



D3804-041 ASSEMBLY/FINISHING DETAIL

| | | | |
|------------|----------|--|--------------|
| DESIGN | 41 | DART AEROSPACE USA, INC | |
| DRAWN | 41 | PORT HADLOCK, WA | |
| CHECKED | 41 | DRAWING NO. | REV. A |
| MFG. APPR. | 41 | D3804 | SHEET 2 OF 5 |
| APPROVED | 41 | TITLE | SCALE |
| DE APPR. | 41 | SKIDTUBE ASSEMBLY, 206A/B | NTS |
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| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

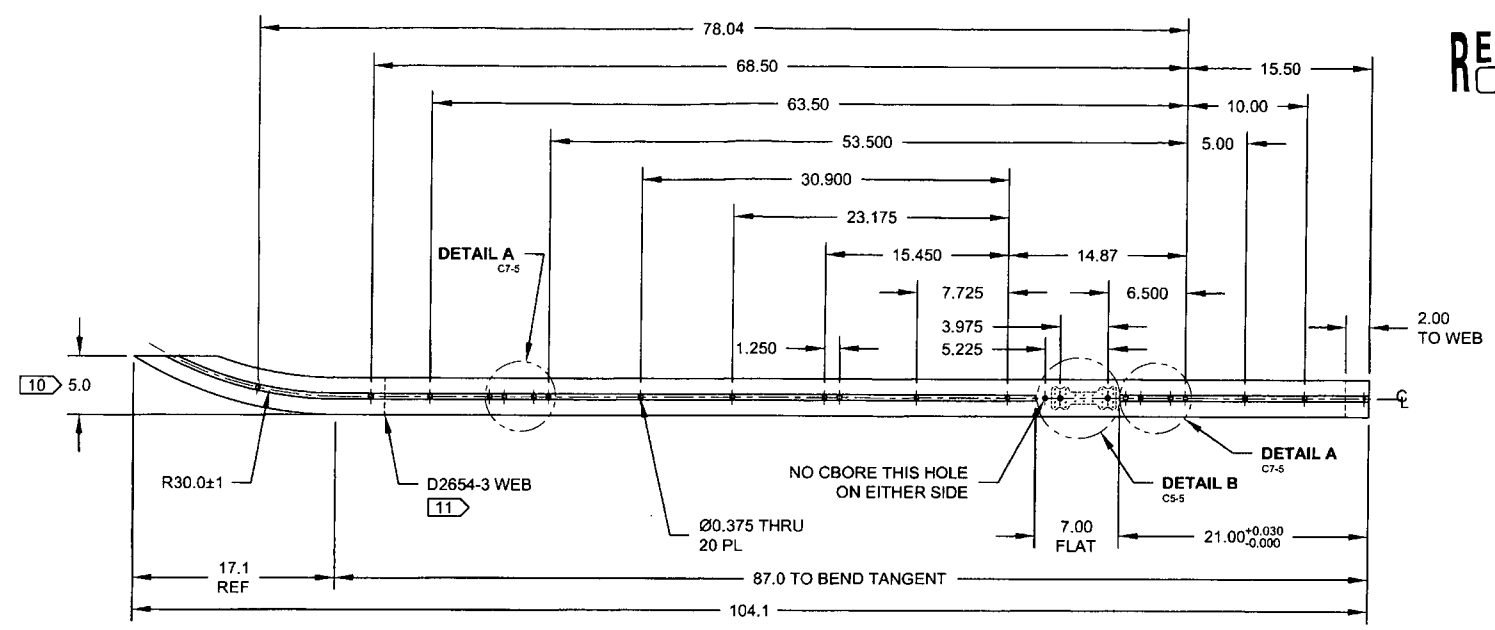
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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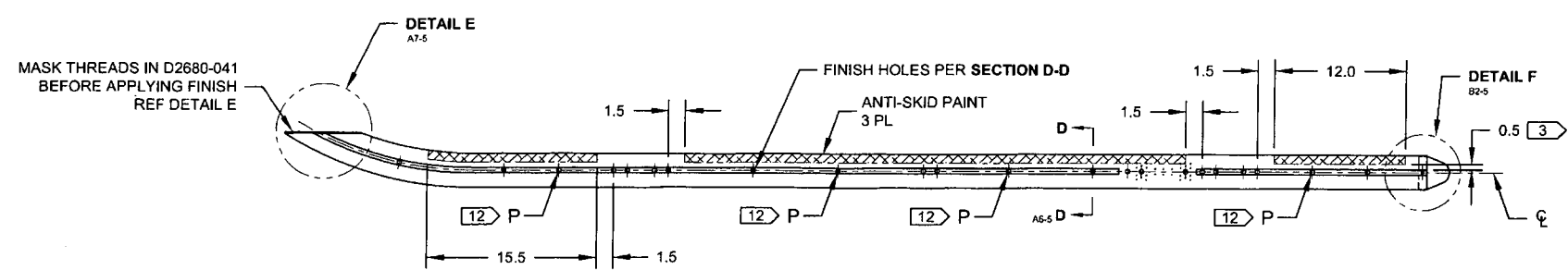
NOTE: Date & initial all entries

792600

RELEASED
(09-03-03)



D3804-043 BENDING/DRILLING DETAIL



D3804-043 ASSEMBLY/FINISHING DETAIL

| | | | |
|------------|----------|--|--------------|
| DESIGN | 99 | DART AEROSPACE USA, INC | |
| DRAWN | 99 | PORT HADLOCK, WA | |
| CHECKED | 99 | DRAWING NO. | REV. A |
| MFG. APPR. | 99 | D3804 | SHEET 3 OF 5 |
| APPROVED | 99 | TITLE | SCALE |
| DE APPR. | 99 | SKIDTUBE ASSEMBLY, 206A/B | NTS |
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| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

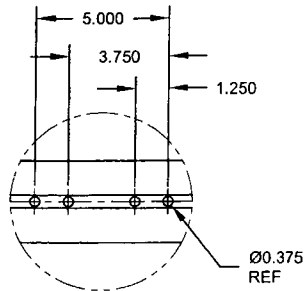
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|--------------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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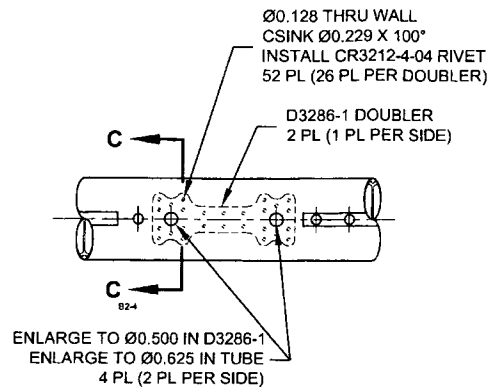
NOTE: Date & initial all entries

79260

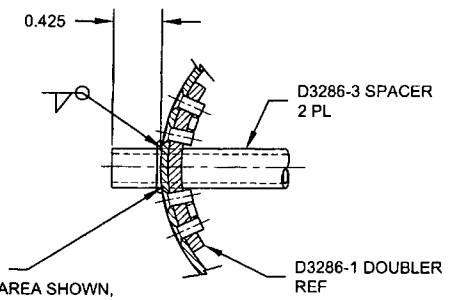
RELEASED
CP 09.03.03



DETAIL A
D6-2
C2-2
D6-3
C2-3
SCALE NONE

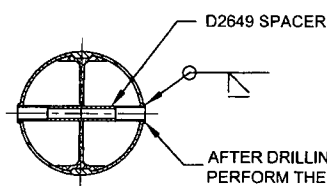


DETAIL B
C3-2
C3-3
SCALE NONE



- TO INSTALL D3286-1/-3:
1. GRIND OFF FLANGE IN AREA SHOWN, FLUSH WITH OUTSIDE SURFACE OF ROUND TUBE
 2. LOCATE & DRILL D3286-1 DOUBLER USING DT3286-1T1
 3. ENLARGE HOLES IN D3286-1 TO Ø0.500
 4. ENLARGE HOLES IN TUBE TO Ø0.625 AND CHAMFER HOLE 0.03 X 45°
 5. RIVET D3286-1 TO TUBE
 6. INSERT D3286-3 SPACER
 7. WELD IN PLACE AND GRIND FLUSH

SECTION C-C
C6-4
PARTIAL SECTION
SCALE NONE



- AFTER DRILLING AND BENDING ASSEMBLY
PERFORM THE FOLLOWING FOR Ø0.375 HOLES ONLY:
1. CHAMFER HOLE 0.03 X 45°
 2. INSERT D2649 SPACER
 3. WELD INTO PLACE AND GRIND FLUSH
 4. CBORE TO Ø0.313 X 0.75 DP (EXCEPT WHERE INDICATED)

SECTION D-D
A4-2
A4-3
FOR Ø0.375 HOLES ONLY
SCALE NONE

| | | | |
|------------|----------|--|--------------|
| DESIGN | 91 | DART AEROSPACE USA, INC | |
| DRAWN | 91 | PORT HADLOCK, WA | |
| CHECKED | 91 | DRAWING NO. | REV. A |
| MFG. APPR. | 91 | D3804 | SHEET 4 OF 5 |
| APPROVED | 91 | TITLE | SCALE |
| DE APPR. | 91 | SKIDTUBE ASSEMBLY, 206A/B | NTS |
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| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

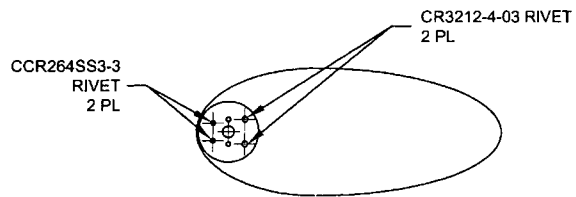
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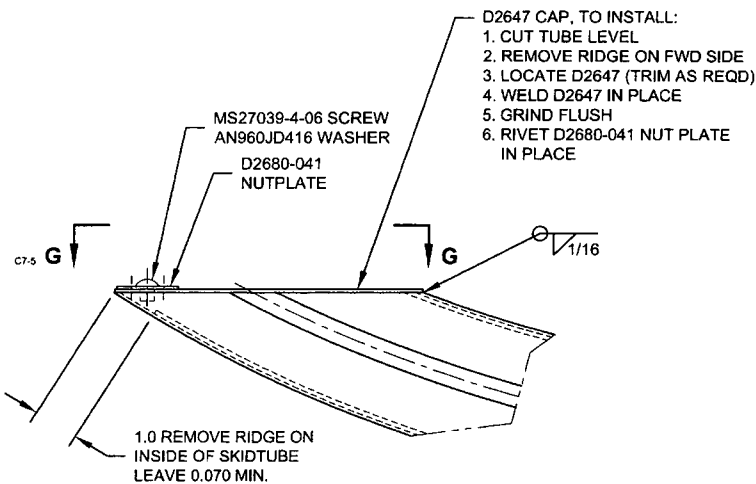
NOTE: Date & initial all entries

79260

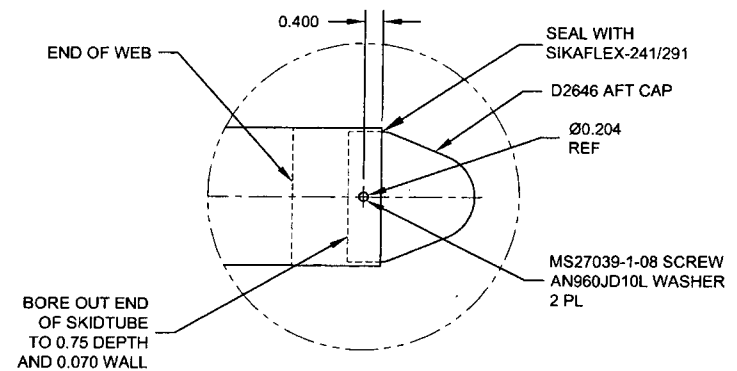
RELEASED
99 09.03.03



VIEW G-G
SCALE NONE A7-5



DETAIL E
SCALE NONE B7-2 B7-3



DETAIL F
SCALE NONE B2-2 B2-3

| | | | |
|------------|----------|--|--------|
| DESIGN | 91 | DART AEROSPACE USA, INC | |
| DRAWN | J | PORT HADLOCK, WA | |
| CHECKED | P | DRAWING NO. D3804 | REV. A |
| MFG. APPR. | E | SHEET 5 OF 5 | |
| APPROVED | AP | TITLE | SCALE |
| DE APPR. | AP | SKIDTUBE ASSEMBLY, 206A/B | NTS |
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NOTE: Date & initial all entries

NO. 283

AWS D17.1.2001
QUALIFICATION TEST RECORD

Name: Barclay Elliott
Job number: 79243
Part number: A206-642-151
Description: Skid tube
Welding Process: Tig[☒] Mig[]
Base material: Alum.
Current: AC[☒] DC[]

TEST REQUIREMENTS AND RESULTS

Visual: pass[☒] fail[]
Penetration: pass[☒] fail[]

UNACCEPTABLE

Cracks: pass[☒] fail[]
Undercut: pass[☒] fail[]
Pin holes: pass[☒] fail[]
Overlap (cold lap): pass[☒] fail[]
Porosity (surface): pass[☒] fail[]
Coloration: pass[☒] fail[]

Qualifier David Nival Date of Test Coupon 12.02.22
Welder Barclay Elliott Date of Test Coupon 12.02.22

The above named individual is qualified in accordance with AWS D17.1.2001 to weld